

## 7. ABBREVIATIONS AND ACRONYMS

A	Analysis
AC	Alternating Current
ADC	Amps Direct Current
AIS	Automated Information System
ANSI	American National Standards Institute
APID	Application Process Identifier
APM	Attached Pressurized Module
APS	Automated Payload Switch
ARIS	Active Rack Isolation System
ASME	American Society of Mechanical Engineers
AUI	Attachment User Interface
BCDU	Battery Charge/Discharge Unit
BIT	Built In Test
CAM	Centrifuge Accommodations Module
CCSDS	Consultative Committee for Space Data Systems
CDR	Critical Design Review
COTS	Commercial-Off-The-Shelf
COU	Concept of Operations and Utilization
CTB	Central Thermal Bus
C&C	Command & Control
C&DH	Command and Data Handling
C&T	Communication & Tracking
DAPC	Data Application Process Controller
dB	decibels
DDCU	DC to DC Converter Unit
EPS	Electrical Power System
F	Fahrenheit
FDS	Fire Detection & Suppression
FEU	Functional Equivalent Unit
FO	Fiber Optic
GN&C	Guidance, Navigation, and Control
GUI	Graphical User Interface
HRDL	High Rate Data Link
HRFM	High Rate Frame Multiplexer
I	Inspection
IAV	Internal Audio/Video
ICD	Interface Control Document
IDD	Interface Definition Document
ISPR	International Standard Payload Rack
ISS	International Space Station
ITCS	Internal Thermal Control System

JEM	Japanese Experiment Module
JSC	Johnson Space Center
KSC	Kennedy Space Center
kg/hr	Kilograms/hour
kPa	KiloPascal
kW	kilowatt
lbm	pounds mass
lb/hr	pounds/hour
LRDL	Low Rate Data Link
Mbits	Megabits
MDM	Multiplexer/Demultiplexer
MRDL	Medium Rate Data Link
N/A	Not Applicable
NEC	National Electric Code
NHB	NASA Handbook
NTSC	National Television Systems Committee
OSHA	Occupational Safety & Health Administration
PCS	Portable Computer System
PDL	Payload Data Library
PDSS	Payload Data Services System
PEHG	Payload Ethernet Hub Gateway
PEP	Payload Executive Processor
PES	Payload Executive Software
PFM	Pulse Frequency Modulated
PIDS	Prime Item Development Specification
POST	Power On Self Test
PRCU	Payload Rack Checkout Unit
PSDE	Payload Software Development Environment
psi	pounds per square inch
psid	pounds per square inch differential
PSIA	Pounds per Square Inch Absolute
PSIVF	Payload Software Integration & Verification Facility
RFCA	Remote Flow Control Assembly
RPCM	Remote Power Control Module
RPDA	Remote Power Distribution Assembly
RT	Remote Terminal
SFCA	System Flow Control Assembly
SSP	Space Station Program
STEP	Suitcase Test Environment for Payloads
T	Test
TBD	To Be Determined

UIP	Utility Interface Panel
UOF	User Operations Facility
UL	Underwriters Laboratory
VAC	Volts Alternating Current
VDC	Volts Direct Current
VES	Vacuum Exhaust System
VRS	Vacuum Resource System
VS	Vacuum System

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**APPENDIX A - REQUIREMENTS TRACEABILITY/VERIFICATION  
MATRIX**

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APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.1.2.1.1	PRCU to ISPR External Interface	D,T	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-a	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-b	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-c	C&DH System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-d	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-e	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-f	C&DH System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-g	C&DH System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-h	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-i	C&DH System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1-j	C&DH System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.2-a	Electrical Power System Emulation Interfaces	A,T	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.2-b	Electrical Power System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.2-c	Electrical Power System Emulation Interfaces	A,T	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-a	Gas Servicing Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-b	Gas Servicing Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-c	Gas Servicing Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-d	Gas Servicing Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-e	Gas Servicing Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.3-f	Gas Servicing Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.4-a	Internal Audio/Video System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.1.2.1.1.4-b	Internal Audio/Video System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.4-c	Internal Audio/Video System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.4-d	Internal Audio/Video System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.4-e	Internal Audio/Video System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.4-f	Internal Audio/Video System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.5-a	Internal Thermal Control System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.5-b	Internal Thermal Control System Emulation Interfaces	T	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.5-c	Internal Thermal Control System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.5-d	Internal Thermal Control System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.6-a	Vacuum System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.6-b	Vacuum System Emulation Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.6-c	Vacuum System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.6-d	Vacuum System Emulation Interfaces	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.1.7	Data Acquisition & Process Controller (DAPC) Interface	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.2-a	PRCU to Attached Payload External Interface	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.2-b	PRCU to Attached Payload External Interface	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.3-a	PRCU to PSIVF External Interface	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.1.2.1.3-b	PRCU to PSIVF External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.4-a	PRCU to PDL External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.4-b	PRCU to PDL External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.5-a	PRCU to Ground External Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.5-b	PRCU to Ground External Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.5-c	PRCU to Ground External Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.5-d	PRCU to Ground External Interfaces	A,D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-a	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-b	PRCU to User Facility External Interface	I	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-c	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-d	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-e	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-f	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-g	PRCU to User Facility External Interface	I	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-h	PRCU to User Facility External Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-i	PRCU to User Facility External Interface	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.1.6-j	PRCU to User Facility External Interface	A,I	SSP 41161 3.7.8.3.1-A
3.1.2.2.1-a	DAPC - C&DH System Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.1.2.2.1-b	DAPC - C&DH System Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.1-c	DAPC - C&DH System Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.2-a	DAPC - EPS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.2-b	DAPC - EPS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.3-a	DAPC - Gas Servicing Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.3-b	DAPC - Gas Servicing Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.4-a	DAPC - ITCS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.4-b	DAPC - ITCS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.5-a	DAPC - VS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.5-b	DAPC - VS Emulation Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.6	Off-line Tools - Session Manager Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-a	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-b	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-c	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-d	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.1.2.2.7-e	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-f	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-g	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-h	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-i	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-j	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-k	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-l	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-m	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.7-n	Session Manager - C&DH Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.8-a	Session Manager - DAPC Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.1.2.2.8-b	Session Manager - DAPC Internal Interface	D	SSP 41161 3.7.8.3.1-A
3.2.1	Performance	A	SSP 41161 3.7.8.3.1-A
3.2.2.1	Weight	TBD	TBD
3.2.2.2	Dimensions	TBD	TBD
3.2.2.3	Mobility	TBD	TBD
3.2.2.4	Durability	TBD	TBD
3.2.4.1-a	Accessibility	A,I	SSP 41161 3.7.8.3.1-A
3.2.4.1-b	Accessibility	A	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.2.4.2	Component Installation, Removal, and Repair	A, I	SSP 41161 3.7.8.3.1-A
3.2.4.2.1	Fasteners	A	SSP 41161 3.7.8.3.1-A
3.2.4.2.2	Tools & Test Equipment	A	SSP 41161 3.7.8.3.1-A
3.2.4.3	Calibration	A	SSP 41161 3.7.8.3.1-A
3.2.5	Environmental Conditions	TBD	TBD
3.2.6	Transportability	TBD	TBD
3.3.1-a	Structures, Materials, Process and Parts	A,I	SSP 41161 3.7.8.3.1-A
3.3.1-b	Structures, Materials, Process and Parts	A,I	SSP 41161 3.7.8.3.1-A
3.3.2	Electromagnetic Radiation	TBD	TBD
3.3.3-a	Nameplates and Product Marking	I	SSP 41161 3.7.8.3.1-A
3.3.3-b	Nameplates and Product Marking	I	SSP 41161 3.7.8.3.1-A
3.3.3-c	Nameplates and Product Marking	I	SSP 41161 3.7.8.3.1-A
3.3.3-d	Nameplates and Product Marking	I	SSP 41161 3.7.8.3.1-A
3.3.3-e	Nameplates and Product Marking	I	SSP 41161 3.7.8.3.1-A
3.3.4-a	Workmanship	I	SSP 41161 3.7.8.3.1-A
3.3.4-b	Workmanship	D	SSP 41161 3.7.8.3.1-A
3.3.4-c	Workmanship	A,I	SSP 41161 3.7.8.3.1-A
3.3.5-a	Interchangeability	A,I	SSP 41161 3.7.8.3.1-A
3.3.5-b	Interchangeability	A,D	SSP 41161 3.7.8.3.1-A
3.3.5-c	Interchangeability	A,D	SSP 41161 3.7.8.3.1-A
3.3.6-a	Safety	A	SSP 41161 3.7.8.3.1-A
3.3.6-b	Safety	A, I	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.3.6-c	Safety	A, I	SSP 41161 3.7.8.3.1-A
3.3.6-d	Safety	A, I	SSP 41161 3.7.8.3.1-A
3.3.6-e	Safety	A, I	SSP 41161 3.7.8.3.1-A
3.3.6-f	Safety	D	SSP 41161 3.7.8.3.1-A
3.3.6-g	Safety	A, I	SSP 41161 3.7.8.3.1-A
3.3.6.1-a	Pressurized System Components	A	SSP 41161 3.7.8.3.1-A
3.3.6.1-b	Pressurized System Components	A	SSP 41161 3.7.8.3.1-A
3.3.6.1-c	Pressurized System Components	A	SSP 41161 3.7.8.3.1-A
3.3.7-a	Human Performance Human Engineering	A	SSP 41161 3.7.8.3.1-A
3.3.7-b	Human Performance Human Engineering	A	SSP 41161 3.7.8.3.1-A
3.3.7.1-a	Accessibility	I	SSP 41161 3.7.8.3.1-A
3.3.7.1-b	Accessibility	I	SSP 41161 3.7.8.3.1-A
3.3.7.1-c	Accessibility	I	SSP 41161 3.7.8.3.1-A
3.3.7.1-d	Accessibility	D, T	SSP 41161 3.7.8.3.1-A
3.3.7.2	Installation/ Removal	TBD	TBD
3.3.8	Security	A,D	SSP 41161 3.7.8.3.1-A
3.4-a	Documentation	A	SSP 41161 3.7.8.3.1-A
3.4-b	Documentation	A	SSP 41161 3.7.8.3.1-A
3.4-c	Documentation	A	SSP 41161 3.7.8.3.1-A
3.4-d	Documentation	I	SSP 41161 3.7.8.3.1-A
3.4-e	Documentation	A,I	SSP 41161 3.7.8.3.1-A
3.5.1	Maintenance	A	SSP 41161 3.7.8.3.1-A
3.5.2	Supply	I	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.5.3.1	Power	TBD	TBD
3.5.3.2	Heating, Ventilation, & Cooling	TBD	TBD
3.5.3.3	Lighting	TBD	TBD
3.5.3.4	Fire Detection & Suppression	TBD	TBD
3.5.3.5	Flooring	TBD	TBD
3.6.1	Personnel	TBD	TBD
3.6.2	Training	TBD	TBD
3.7.1.1-a	General	A,D	SSP 41161 3.7.8.3.1-A, MSFC-STD-1274- Sect 4.0, SSP 41175-2 - Sect. 3.3.2.1.1
3.7.1.1-b	General	D	SSP 41161 3.7.8.3.1-A, MSFC-STD-1274- Sect 4.0
3.7.1.1-c	General	I	SSP 41161 3.7.8.3.1-A, SSFF RC #14
3.7.1.1-d	General	D	SSP 41161 3.7.8.3.1-A
3.7.1.1-e	General	D	SSP 41161 3.7.8.3.1-A, SSFF RC #14
3.7.1.2	C&C MDM Simulation	A,D	SSP 41161 3.7.8.3.1-A, SSP 41175-8 - Sect. 1.0
3.7.1.3-a	PEHG Simulation	D	SSP 41161 3.7.8.3.1-A, IEEE 802.3 - Sect. 3.3.2.1.2.1
3.7.1.3-b	PEHG Simulation	A,D	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.1
3.7.1.3-c	PEHG Simulation	A,T	SSP 41161 3.7.8.3.1-A, SP-M- 502 - Sect. 3.2.1.1
3.7.1.3-d	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, IEEE 802.3 - Sect. 3.3.2.1.2.1

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.1.3-e	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.2.1
3.7.1.3-f	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.2.1
3.7.1.3-g	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.2.1
3.7.1.3-h	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.2.1
3.7.1.3-i	PEHG Simulation	T	SSP 41161 3.7.8.3.1-A, SP-M-502 - Sect. 3.2.1.2.1
3.7.1.4-a	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-b	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-c	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-d	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-e	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-f	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-g	APS/HRFM Simulation	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-h	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-i	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.1.4-j	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.4-k	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A
3.7.1.4-l	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A
3.7.1.4-m	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A
3.7.1.4-n	APS/HRFM Simulation	D	SSP 41161 3.7.8.3.1-A
3.7.1.5-a	Low-Level Protocol Testing	T	SSP 41161 3.7.8.3.1-A, SSFF RC # 10
3.7.1.5-b	Low-Level Protocol Testing	T	SSP 41161 3.7.8.3.1-A, SSFF RC # 10
3.7.1.5-c	Low-Level Protocol Testing	T	SSP 41161 3.7.8.3.1-A, SSFF RC # 10
3.7.1.5-d	Low-Level Protocol Testing	T	SSP 41161 3.7.8.3.1-A, SSFF RC # 10
3.7.1.6-a	Remote Terminal Simulation Data	T	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.6-b	Remote Terminal Simulation Data	T	SSP 41161 3.7.8.3.1-A, NSTS 1700.7 - ISS Addendum, SSFF RC # 1700
3.7.1.7	APM Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.8	JEM Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.9	GN&C Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.1.10	C&T Telemetry Simulation	D	SSP 41161 3.7.8.3.1-A, SSP TBD
3.7.2-a	EPS Emulation	T	SSP 41161 3.7.8.3.1-A
3.7.2-b	EPS Emulation	T	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.2-c	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.1.3.1.1
3.7.2-d	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP 41161 3.7.8.3.1-A
3.7.2-e	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.1.3.1.1
3.7.2-f	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP 41161 3.7.8.3.1-A
3.7.2-g	EPS Emulation	T	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.1.3.1.2
3.7.2-h	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.1.3.1.3
3.7.2-i	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.1.3.1.4
3.7.2-j	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.3.3.2
3.7.2-k	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP 30263:002, Rev H - Sect. 3.7.1.2.7
3.7.2-l	EPS Emulation	D	SSP 41161 3.7.8.3.1-A, PG-3 Inputs
3.7.2-m	EPS Emulation	A,D	SSP 41161 3.7.8.3.1-A, D683- 61576-1 Draft 1 - Sect. 3.3.1, NSTS 1700.7B/ISS Addendum 213, 220
3.7.2-n	EPS Emulation	A,D	SSP 41161 3.7.8.3.1-A,
3.7.2-o	EPS Emulation	D	SSP 41161 3.7.8.3.1-A,

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.2-p	EPS Emulation	A,I	SSP 41161 3.7.8.3.1-A,
3.7.2-q	EPS Emulation	A,T	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.3.1.3
3.7.2-r	EPS Emulation	A,D	SSP 41161 3.7.8.3.1-A, UPQS Draft 8R - Sect. 3.3.2.2
3.7.3.1-a	General	D	SSP 41161 3.7.8.3.1-A,
3.7.3.1-b	General	D	SSP 41161 3.7.8.3.1-A,
3.7.3.2-a	Nitrogen Distribution	D	SSP 41161 3.7.8.3.1-A, 683-18002 - Sect 3.2.1.1
3.7.3.2-b	Nitrogen Distribution	D	SSP 41161 3.7.8.3.1-A, SSP 41152, Rev A; SCN 007
3.7.3.2-c	Nitrogen Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.3.3
3.7.3.2-d	Nitrogen Distribution	A,D	SSP 41161 3.7.8.3.1-A, 683-18007 - Sect. 3.2.1.1
3.7.3.2-e	Nitrogen Distribution	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.3.3
3.7.3.3-a	Argon Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.9.2
3.7.3.3-b	Argon Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.9.2
3.7.3.3-c	Argon Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.9.2

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.3.3-d	Argon Distribution	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.9.2
3.7.3.4-a	Carbon Dioxide Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.4-b	Carbon Dioxide Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.4-c	Carbon Dioxide Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.4-d	Carbon Dioxide Distribution	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.5-a	Helium Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.5-b	Helium Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.5-c	Helium Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.3.5-d	Helium Distribution	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.11.2
3.7.4	IAV System Emulation	D	SSP 41161 3.7.8.3.1-A, EIA-RS-170A, SSP-41002 - Sect. 3.3.5.2.1, SSP-50002
3.7.5.1-a	General	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.5.1-b	General	D	SSP 41161 3.7.8.3.1-A, Prime Inputs, SSP 41002 - Sect. 3.3.2.1
3.7.5.1-c	General	T	SSP 41161 3.7.8.3.1-A
3.7.5.1-d	General	D	SSP 41161 3.7.8.3.1-A
3.7.5.1-e	General	D	SSP 41161 3.7.8.3.1-A
3.7.5.1-f	General	D	SSP 41161 3.7.8.3.1-A
3.7.5.1-g	General	A,D	SSP 41161 3.7.8.3.1-A SSP-30573
3.7.5.1-h	General	D	SSP 41161 3.7.8.3.1-A
3.7.5.1-i	General	D	SSP 41161 3.7.8.3.1-A
3.7.5.1-j	General	D	SSP 41161 3.7.8.3.1-A, NASD STD 30000 - Sect. 5.1.3.1, SSP-50005 - Sect. 6.4.3.1.0
3.7.5.1-k	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.1-l	General	T	SSP 41161 3.7.8.3.1-A, Prime Inputs
3.7.5.1-m	General	T	SSP 41161 3.7.8.3.1-A, 683-16348, Prime Inputs
3.7.5.1-n	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.1-o	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.5.1-p	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.
3.7.5.1-q	General	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.1-r	General	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.1-s	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.1-t	General	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.2-a	APM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.2-b	APM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.2-c	APM Unique ITCS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.2-d	APM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.2-e	APM Unique ITCS Emulation		SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.3.2.2
3.7.5.3-a	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.5.3-b	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-c	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-d	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-e	JEM Unique ITCS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-f	JEM Unique ITCS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-g	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-h	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.3-i	JEM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.3.2.2
3.7.5.4-a	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-b	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-c	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.5.4-d	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-e	CAM Unique ITCS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-f	CAM Unique ITCS Emulation	D	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-g	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-h	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.2.2.2
3.7.5.4-i	CAM Unique ITCS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.3.2.2
3.7.6-a	VS Emulation	T	SSP 41161 3.7.8.3.1-A, 683-18027 - Sect. 3.1.2.1.5.1
3.7.6-b	VS Emulation	D	SSP 41161 3.7.8.3.1-A
3.7.6-c	VS Emulation	T	SSP 41161 3.7.8.3.1-A, SSP-41002 - Sect. 3.3.7
3.7.6-d	VS Emulation	T	SSP 41161 3.7.8.3.1-A, 683-18005 - Sect. 3.1.2.1.5.1
3.7.6-e	VS Emulation	T	SSP 41161 3.7.8.3.1-A, 683-18005 - Sect. 3.1.2.1.5.1
3.7.7-a	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-b	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-c	DAPC	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.7-d	DAPC	A,D	SSP 41161 3.7.8.3.1-A
3.7.7-e	DAPC	A,D	SSP 41161 3.7.8.3.1-A
3.7.7-f	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-g	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-h	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-i	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-j	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-k	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-l	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-m	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7-n	DAPC	D	SSP 41161 3.7.8.3.1-A
3.7.7.1	Maintenance Switch and FDS Signals	A,I	SSP 41161 3.7.8.3.1-A
3.7.8.1-a	General	D	SSP 41161 3.7.8.3.1-A
3.7.8.1-b	General	A,D	SSP 41161 3.7.8.3.1-A
3.7.8.1-c	General	A,D	SSP 41161 3.7.8.3.1-A
3.7.8.1-d	General	A,D	SSP 41161 3.7.8.3.1-A
3.7.8.2-a	User Display Development Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.2-b	User Display Development Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-a	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-b	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-c	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-d	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-e	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.8.3-f	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-g	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-h	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-i	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-j	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-k	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-l	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-m	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.3-n	Session Preparation Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.4-a	User File Management Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.4-b	User File Management Tools	D	SSP 41161 3.7.8.3.1-A
3.7.8.4-c	User File Management Tools	D	SSP 41161 3.7.8.3.1-A
3.7.9-a	Session Manager	D	SSP 41161 3.7.8.3.1-A
3.7.9-b	Session Manager	D	SSP 41161 3.7.8.3.1-A
3.7.9-c	Session Manager	D	SSP 41161 3.7.8.3.1-A
3.7.9-d	Session Manager	D	SSP 41161 3.7.8.3.1-A
3.7.9-e	Session Manager	D	SSP 41161 3.7.8.3.1-A
3.7.9.1-a	PRCU Commanding	D	SSP 41161 3.7.8.3.1-A
3.7.9.1-b	PRCU Commanding	D	SSP 41161 3.7.8.3.1-A
3.7.9.1-c	PRCU Commanding	D	SSP 41161 3.7.8.3.1-A
3.7.9.1-d	PRCU Commanding	D	SSP 41161 3.7.8.3.1-A
3.7.9.2	Payload Commanding	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number
3.7.9.3.1-a	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-b	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-c	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-d	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-e	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-f	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-g	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.1-h	PRCU Provided Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.3.2	User Provided Payload Data Display Services	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-a	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-b	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-c	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-d	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-e	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-f	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-g	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-h	Data Logging	D	SSP 41161 3.7.8.3.1-A
3.7.9.4-i	Data Logging	D	SSP 41161 3.7.8.3.1-A

APPENDIX A Requirements Traceability/Verification Matrix

B1 Requirement Paragraph Number	Paragraph Title	Verification Method	Parent Paragraph Number

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**APPENDIX B - TBD RESOLUTION MATRIX**

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